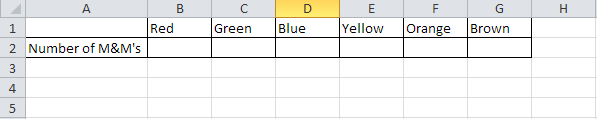
M&M’s Graphing

Materials:

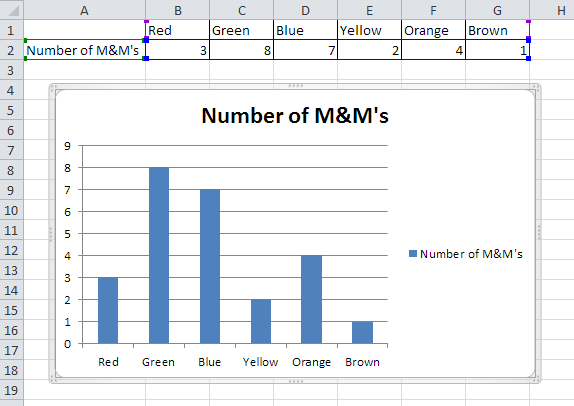
Small bag of M&M’s (1 per every student)

We will be graphing M&M’s by color. Open Excel, create a new Excel sheet and label the chart on your data sheet with the colors found in the bags. Count and enter your totals. (This will become the bar graph and pie graph data).

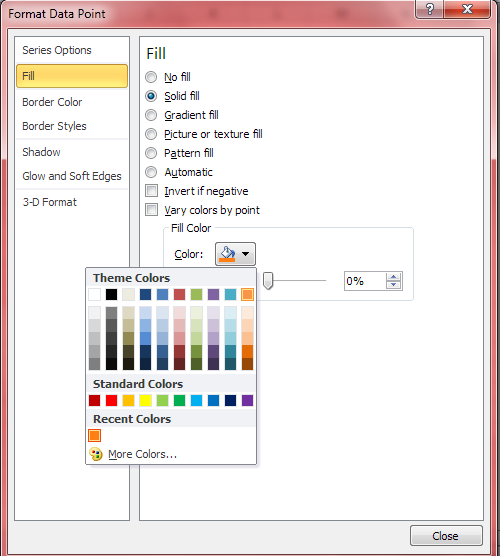
Set up a spread-sheet in the following manner (this example is showing you what a box of candy hearts would look like):



Hi-light the entire chart you have created and click on insert -> column -> 2-D column. A chart like this should appear on your screen:



Double click on one of the bars. A box named “Format Data Point” appears. Click the Fill option. You can change the color of the bars by using the box below:



Try to change the color of every bar in your graph so that it matches the color of the M&M’s.

Once you have changed all the colors, we want to add in the chart axis titles. At the top of your screen, select Layout under the Chart Tools group. Right now the axis titles are probably turned off. By clicking “axis titles” and then “Primary Horizontal/Vertical Axis Title” and change from “None” to one of the other options to make a title appear.

Now you can double click each axis and give it an appropriate name. Easy axis names would be “Color of M&M’s” for the X axis (across the bottom) and “Number of M&M’s” for the Y axis.

You can create a pie chart in one of two ways:

1. Re Highlight the data table and select the chart type pie graph. This will create a second graph.
2. Click on the white portion of the existing bar graph and on the top tool bar under “Design” choose “change chart type” and select bar graph. This will change the current graph. **For this project you should have two graphs. This option would be used if you only need one graph.**

Explore the pie graph, change colors etc. You may want to change the colors so they match the colors of your M&M’s. Try it out!

When you are finished, save your file as **M&M Graphing**, and upload it to your dropbox file.